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OM nucleic - nucleic search, using sw model

Run on: December 27, 2001, 20:25:09 ; Search time 156.31 Seconds
(without alignments)
3939.567 Million cell updates/sec

Title: US-09-830-647-4

Perfect score: 2719
Sequence: 1 aattcgacgagcgtctctg.....aaaaaaaaaactcgag 2719

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, NA: *
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PCITUS.COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	68.6	2.5	7218	1	US-08-232-463-14 Sequence 14, Appl
C 2	54.8	2.0	12001	1	US-08-458-568A-11 Sequence 11, Appl
C 3	52.4	1.9	152331	3	US-09-128-155-16 Sequence 16, Appl
C 4	51.8	1.9	320	4	US-09-165-264-11 Sequence 11, Appl
C 5	51.6	1.9	320	4	US-09-165-264-14 Sequence 14, Appl
C 6	51.2	1.9	320	4	US-09-165-264-13 Sequence 13, Appl
C 7	50.8	1.9	319	4	US-09-165-264-8 Sequence 8, Appl
C 8	50.2	1.8	320	4	US-09-165-264-7 Sequence 7, Appl
C 9	50	1.8	318	4	US-09-165-264-12 Sequence 12, Appl
C 10	49.6	1.8	4897	6	5196516-7 Patent No. 5196516
C 11	47.4	1.7	289	4	US-09-007-005-17 Sequence 17, Appl
C 12	47.4	1.7	289	4	US-09-244-796-17 Sequence 17, Appl
C 13	46	1.7	1275	3	US-08-725-532A-2 Sequence 2, Appl
C 14	45.4	1.7	4488	4	US-08-406-030A-3 Sequence 3, Appl
C 15	44.8	1.6	53526	3	US-08-658-136-2 Sequence 2, Appl
C 16	44.8	1.6	53577	3	US-08-658-136-1 Sequence 1, Appl
C 17	44.2	1.6	3663	4	US-09-497-884-11 Sequence 11, Appl
C 18	44.2	1.6	19124	2	US-08-487-826B-13 Sequence 13, Appl
C 19	43.8	1.6	405	2	US-08-903-800A-3 Sequence 3, Appl
C 20	43	1.6	2430	4	US-08-845-258-3 Sequence 3, Appl
C 21	43	1.6	2430	4	US-08-845-258-40 Sequence 40, Appl
C 22	43	1.6	2430	4	US-08-990-571-3 Sequence 3, Appl
C 23	43	1.6	2430	4	US-08-990-571-40 Sequence 40, Appl
C 24	43	1.6	2430	4	US-08-723-142A-3 Sequence 3, Appl
C 25	43	1.6	2430	4	US-08-723-142A-40 Sequence 40, Appl
C 26	43	1.6	2836	3	US-08-747-221B-24 Sequence 24, Appl
C 27	43	1.6	2836	3	US-08-747-221B-26 Sequence 26, Appl

28	43	1.6	2836	4	US-09-005-051-24	Sequence 24, Appl
C 29	43	1.6	2836	4	US-09-005-051-26	Sequence 26, Appl
C 30	43	1.6	10396	1	US-08-245-809-5	Sequence 5, Appl
C 31	43	1.6	10965	1	US-08-107-748-4	Sequence 4, Appl
C 32	43	1.6	10965	5	PCT-US92-01385-4	Sequence 4, Appl
C 33	42.8	1.6	1826	4	US-09-286-691-11	Sequence 11, Appl
C 34	42.8	1.6	1826	4	US-08-687-147-11	Sequence 11, Appl
C 35	42.8	1.6	5434	2	US-08-841-349-1	Sequence 1, Appl
C 36	42.8	1.6	8220	2	US-08-568-459A-11	Sequence 11, Appl
C 37	42.8	1.6	8220	2	US-08-487-826B-11	Sequence 11, Appl
C 38	42.8	1.6	18596	4	US-09-318-448-11	Sequence 11, Appl
C 39	42.8	1.6	19124	2	US-08-487-826B-13	Sequence 13, Appl
C 40	42.4	1.6	913	4	US-08-818-112-16	Sequence 16, Appl
C 41	42	1.5	1897	2	US-08-809-464A-1	Sequence 1, Appl
C 42	42	1.5	1897	4	US-09-352-302-1	Sequence 1, Appl
C 43	42	1.5	1906	2	US-08-809-494A-3	Sequence 3, Appl
C 44	42	1.5	1906	4	US-09-352-302-3	Sequence 3, Appl
C 45	41.8	1.5	2058	2	US-08-749-391-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300, 6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PT2gpt-fls
; ;
; US-08-232-463-14

QY	207	21938	267	21878
CGGCGACGAGCGCGTGGGCGTGAAGAGAGGAGCGGCGCGTATCGCGCCGCGGCGCGT	GGGGGGGGCG	GAGCGCTTTCGAATCTCTCAACGCGCGCGAGCGCCACTCGTTGTGC	GGNNNNNNNGTNNNACCCNCCGACCCCGACCGACCCGCTATCCCGACTGC	
266	21879	311	21834	

RESULT 4
US-09-165-264-11
; Sequence 11, Application US/09165264

```

: APPLICANT: Vinayagamourthy, Thirulayah
: TITLE OF INVENTION: Multi-Loci Genomic Analysis
: FILE REFERENCE: 44747
: CURRENT APPLICATION NUMBER: US/09/165,264
: CURRENT FILING DATE: 1998-10-01
: NUMBER OF SEQ. ID NOS: 14
: SOFTWARE: PatentIn Ver. 2.1
: SEQ. ID NO. 11
: LENGTH: 320
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
: US-09-165-264-11

```

Query Match	1.98;	Score 51.8;	DB 4;	Length 320;
Best Total Similarity	50.68;	Need vs 0.001;		

Matches 125; Conservative 0; Mismatches 122; Indels 0; Gaps 0;

OY	41	gagccggaccgcgaagcctccggaaacTcgagagagcaacgcgaatcggaagccgggTaa	100
Dd	66	gg	125
OY	101	ggcggaacaacaacCtgacagggcacagaagcagcgagcaagaaagacggcagTgaaggggg	160
Dd	126	gg	185
OY	161	cggggcgccgacggaggaagcagggacagagggggcgagcgacagggccggccgcgcgc	220
Dd	186	gg	245
OY	221	TggggTgaagacggggcgggcgcgcgcTaatcggcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgc	280
Dd	246	gg	305
OY	281	tcttcca	287
Dd	306	tcttcaa	312

RESULT 5
US-09-165-264-14
: Sequence 14, Application US/09165264

```

1  APPLICANT: Vinaayagamoorthy, Thiratalayah
2  TITLE OF INVENTION: Multi-loci Genomic Analysis
3  FILE REFERENCE: 44/747
4  CURRENT APPLICATION NUMBER: US/09/165,264
5  CURRENT FILING DATE: 1998-10-01
6  NUMBER OF SEQ ID NOS: 14
7  SOFTWARE: PatentIn Ver. 2.1
8  SEQ ID NO 14
9  LENGTH: 320
10 TYPE: DNA
11 ORGANISM: Artificial Sequence
12 FEATURE:
13 OTHER INFORMATION: Description of Artificial Sequence:Primer sequence

```

US-09-165-264-14

Query Match	1.98;	Score 51.6;	DB 4;	Length 320;
Best Local Similarity	50.48;	Pred. No. 0.0013;		
Matches 126;	Conservative	0;	Mismatches 124;	Indels 0;
			Gaps	0;

[illegible]

RESULT 6
US-09-165-264-13

; Sequence 13, Application US/09165264

```

?   APPLICANT: Vinaayagamoorthy, Thirathayah
?   TITLE OF INVENTION: Multi-Loci Genomic Analysis
?   FILE REFERENCE: 44747
?   CURRENT APPLICATION NUMBER: US/09/165,264
?   CURRENT FILING DATE: 1998-10-01
?   NUMBER OF SEQ ID NOS: 14
?   SOFTWARE: PatentIn Ver. 2.1
?   SEQ ID NO 13
?   LENGTH: 320
?   TYPE: DNA
?   ORGANISM: Artificial Sequence
?   FEATURE:
?   OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-13

```

Query Match	1.9%; Score 51.2; DB 4; Length 320;
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Best Local Similarity 51.3%; Pred.No. 0.0016;
Matches 119; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

[illegible]

RESULT 7

US-09-165-264-8
; Sequence 8, Application US/09165264

```

: Patent No.6197510
:
: GENERAL INFORMATION:
:
: APPLICANT: Vinayagamorthy, Thiruvayah
:
: TITLE OF INVENTION: Multi-loci Genomic Analysis
:
: FILE REFERENCE: 44/747
:
: CURRENT APPLICATION NUMBER: US/09/165,264
:
: CURRENT FILING DATE: 1998-10-01
:
: NUMBER OF SEQ ID NOS: 14
:
: SOFTWARE: Patentin Ver. 2.1
:
: SEQ ID NO 8
:
: LENGTH: 319
:
: TYPE: DNA
:
: ORGANISM: Artificial Sequence
:
: FEATURE:
:
: OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
:
: US-09-165-264-8

```

	Query Match	1.9%	Score 50.8:	DB 4:	length 319:	
	Best Local Similarity	50.8%	Pred.	No. 0.002:		
	Matches	121:	Conservative	0:	Mismatches 117:	Indels 0:
Gy	41	gccccgcggccacaaagaccgcgtctctgaagacctgaaggagcaaacgataatgatggcgccgcataga	100			
Dd	69	gg	128			
Gy	101	ggcggcaaacacaaacccttcacagtcacaaagccgagggccgacgaagaaagcacgcccgttcaaggggg	160			
Dd	129	ggg	188			
Gy	161	cggggcgcgcagccgcgaggaagcagggcacaagggggcgagcgcgaaggccggggcgacacgggcgcg	220			
Dd	189	ggg	248			
Gy	221	tggcgttgagagcggggcggggcgcgcgtatccgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgc	278			
Dd	249	ggg	306			

```

RESULT      8
US-09-165-264-7
: Sequence 7, Application US/09165264
: Patent No. 6197510
: GENERAL INFORMATION:
: APPLICANT: Vinaayagamorthy, Thuralaiah
: TITLE OF INVENTION: Multi-loci Genomic Analysis
: FILE REFERENCE: 44747
: CURRENT APPLICATION NUMBER: US/09/165,264
: CURRENT FILING DATE: 1998-10-01
: NUMBER OF SEQ ID NOS: 14
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 7
: LENGTH: 320
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Primer sequences
US-09-165-264-7

```

Query Match	1.8%	Score 50.2	DB 4	Length 320
Best Local Similarity	51.1%	Pred. NO.	0.0028	
Matches 118	Conservative 0	Mismatches 113	Indels 0	Gaps 0
QY	41	g c g c g g a c c g g g g g c c c g g g t c t g a c t g g a a g c a a g a t g g g g c g g g a g a	100	
Db	74	g g	133	
QY	101	g g c g g a a c a c a c a c c t c c a g g c c a a g c g a a g c g c g a a g a c g c g g c g t g a g g g g g	160	
Db	134	g g	193	
QY	161	c g g g c g c g c a g c g a a g a a g g c a g g c a c a g a a g g g c g a g c g c g a g c g g c g c g c g c	220	

Db	Qy	Db
194	221	254

```

RESULT          9
US-09-165-264-12
Sequence 12, Application US/09165264
Patent No. 6197510
GENERAL INFORMATION:
APPLICANT: Vinayagamocthy, Thuraiayah
TITLE OF INVENTION: Multi-Loop Genomic Analysis
FILE REFERENCE: 44747
CURRENT APPLICATION NUMBER: US/09/165,264
CURRENT FILING DATE: 1998-10-01
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO. 12
LENGTH: 318
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Primer sequence
US-09-165-264-12

```

[illegible]

```

RESULT 10
5196516-7/c
; Patent No. 5196516
; APPLICANT: SCHEURES, CHRISTA S.;METTENLEITER, THOMAS C.
; SIMON, ARTHUR J.;LEIKAS, NOEMI RZHA, HANNS J.
; TITLE OF INVENTION: PSEUDORABIES VIRUS VACCINE
; NUMBER OF SPOUNCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US-07/383,833
; FILING DATE: 21-JUL-1989
; SEQ ID NO.:7:
; LENGTH: 4897
5196516-7

```

```
Query Match      18%   Score 49.6; DB 6; Length 4897;  
Best Local Similarity 50.9%; Pred. No. 0.018;  
Matches 118; Conservative 0; Mismatches 114; Indels 0; Gaps 0.  
  
Oy    41 ggcgacggagcccggtcttgactatgaagaacaaagtatggcggcgttaga 100  
       |||||  
Db     4233 gagaggaccgagggcaagcgaacgccggsgggscgaagcgaagcggsgaagcggac 4234
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